



WATER MANAGEMENT DIVISION MONTHLY REPORT

Information Exchange Bulletin

Vol. No. 00 – 1

Date: 11 February 2000

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RESERVOIR OPERATION AND SYSTEM STATUS FOR JANUARY 2000

HIGHLIGHTS – Cairo began the month at 8.2' and crested at 26.78' on the 7th before ending January at 9.5'. Normal stage for January is 28 feet.

WEATHER –The weather during January was warm with a somewhat mixed precipitation pattern. Temperatures averaged well above normal for the first two weeks of January before slightly below normal temperatures settled into the basin. For the month, temperatures averaged from normal to three degrees above normal. Precipitation was well below normal for the month with the exception of two storms. Heavy rains observed on January 4th occurred along the lower Ohio River from Cairo to eastern Ohio with up to 4 inches reported. Another storm produced heavy rains in eastern Tennessee and North Carolina on January 10th. These two storm areas reported above normal precipitation for the month.

The following table summarizes temperature and precipitation for January:

TEMPERATURE AND PRECIPITATION – JANUARY 1999

STATION	TEMPERATURE		PRECIPITATION	
	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	27.7	+1.6	1.70	-0.84
Charleston, WV	32.1	+0.0	1.41	-1.50
Columbus, OH	27.0	+0.7	3.53	+1.35
Cincinnati, OH	28.6	+0.6	4.45	+1.86
Louisville, KY	34.4	+2.7	6.22	+3.36
Indianapolis, IN	27.9	+2.4	2.07	-0.25
Evansville, IN	33.2	+3.1	4.35	+1.69
Nashville, TN	39.2	+3.0	3.52	-0.06

STREAMFLOW -- Ohio River monthly average flows for January ranged from a low of 40 percent of normal at Paducah, KY to a high of 59 percent of normal at Pittsburgh, PA. Daily flows ranged from a low of 6 percent of normal at Louisville, KY to a high of 138 percent of normal at Evansville, IN.

The following table presents the flow data summary for January at the Ohio River Index Stations:

FLOW DATA – JANUARY 1999

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	25,529	59	129	25
Huntington, WV	51,548	46	103	16
Cincinnati, OH	62,032	46	110	7
Louisville, KY	77,355	46	125	6
Evansville, IN	89,194	47	138	11
Paducah, KY	155,940	40	80	13

RESERVOIRS -- January started with 2.1% utilization of the total system flood control storage and ended the month at 2.3%. System-wide augmentation storage increased from 88.9% at the beginning of the month to 91.3% by the end of the month. Significant flood storage utilization in excess of 25% occurred at only one of the reservoir projects during January, 35.7% at West Fork of the Mill Creek Lake.

The following table depicts storage change by tributary reservoir subsystem for January:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-7,200
Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+20,600
Twelvepole-Big Sandy-Little Sandy-Scioto	+5,300

Little Miami-Licking-Mill Creek-Great Miami	+22,800
Kentucky-Salt-Green-Wabash	-9,000
Cumberland	+119,200
TOTAL	+151,700

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